

AMENDMENTS TO THE SPECIFICATION

Please amend the following paragraphs as shown. It is submitted that errors were inadvertently made in the original specification, however, support for the amendments can be found in the originally filed Figures 2 and 3. No new matter is introduced.

[0021]Referring now to FIGS. 1-~~3~~ and ~~3a-3b~~, wherein a front view and two architecture (internal component) views of a wireless mobile phone of the present invention, in accordance with one embodiment, are shown. As illustrated, wireless mobile phone 100 of the present invention (hereinafter, simply phone 100) is advantageously provided with operating logic 240 equipped in particular with security function 242, to operate phone 100 in at least an unauthenticated mode of operation and an authenticated mode of operation.

[0026]Continue to refer to FIGS. 1-~~3~~ and ~~3a-3b~~, for the illustrated embodiment, phone 100 is further advantageously equipped with sensors 132 to facilitate real time capturing of a heart beat profile of the user (while operating in the authenticated mode). Further, operating logic 240, or more specifically, security function 242, is endowed to facilitate such capture, and authenticate a user through the heart beat profile of the user (prior to operating phone 100 in the authenticated mode).

[0034]Continuing to refer to FIGS. 1-~~3~~ and ~~3a-3b~~, additionally, phone 100 includes conventional wireless telephony elements, including power switch 122, power 222, audio communication elements, such as ear speaker 112 and microphone 114, and non-audio communication elements, such as input key pad 102 having a number of alphanumeric input keys and display 108. Further, the non-audio input elements may further include scroll button 105, selection buttons 106, and "talk" and "end talk" buttons 104. These elements are disposed on various external surfaces of body 116.

[0035]As illustrated in FIG. 3a2, upon depression by a user (optionally, for a predetermined duration), while phone 100 is in a powered down or lower power state, power switch 122 couples power 222 to sensors 132 and other components 202-212. Likewise, upon depression by a user (optionally, for a predetermined duration), while phone 100 is in powered up state, power switch 122 cuts off or reduces power 222 to all or selected ones of sensors 132 and other components 202-212.